Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/23/2022 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125320	0	1.65	125240	1.61
Blue	F	SSC	125000	124031	-1	3.05	124477	2.83
Blue	E	FITC	13602	13281	-3	2.39	373	13.63
Blue	D	PE	24891	24624	-2	1.79	586	10.49
Blue	B	PerCP-Cy5-5	33972	33024	-3	3.07	945	14.80
Blue	A	PE-Cy7	22865	22823	-1	4.87	476	29.83
Red	C	APC	47198	46971	-1	2.55	1622	11.40
Red	A	APC-Cy7	26454	25751	-3	3.06	728	12.07
Violet	B	V450	6737	6524	-4	3.46	453	11.78
Violet	A	V500	29317	28289	-4	2.88	967	8.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24071	2.71	536	1	N/A	N/A	Pass
Blue	F	SSC	55732	2.21	517	-4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	2	0.0404	50	Pass
Blue	D	PE	114	37.07	489	3	0.3592	221	Pass
Blue	B	PerCP-Cy5-5	150	42.36	581	2	0.0205	124	Pass
Blue	A	PE-Cy7	78	78.17	625	4	0.0233	1	Pass
Red	C	APC	341	25.76	573	1	0.0286	198	Pass
Red	A	APC-Cy7	136	34.11	550	-1	0.0067	1371	Pass
Violet	B	V450	77	46.47	443	-7	0.0464	1742	Pass
Violet	A	V500	113	31.77	462	-7	0.0234	826	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.94	-31.67	1.16
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.84	13.90 - 20.86	N/A	N/A	30.01	30.29	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11667

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments